INTERNATIONAL SEARCH REPORT

international Application No PCT/JP2005/002525

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J35/00 B01J23/89 B01D53/94 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B01J B01D IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with indication, where appropriate, of the relevant passages P,X EP 1 494 304 A (NISSAN MOTOR CO., LTD) 1-3,6-14 5 January 2005 (2005-01-05) paragraphs '0027!, '0029!, '0046!, '0049! examples 12,13 US 6 221 805 B1 (YAMASHITA KOICHI ET AL) 1 - 14X 24 April 2001 (2001-04-24) examples 10-16 US 6 083 467 A (TAKESHIMA ET AL) 1-3,5-14X 4 July 2000 (2000-07-04) column 6, line 53 - line 65 claim 4; examples 3-6,10 -/--[X] Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to Involve an inventive step when the document is taken alone 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed Invention cannot be particular relevance, the claimed invertible cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. O document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 22 April 2005 02/05/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Besselmann, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.								
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